

WELCOME

Highway 101 Greenbrae/Twin Cities Corridor Improvement Project

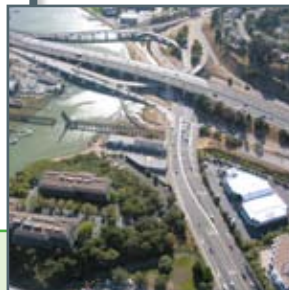
Informational Open House



Project Area



Tamalpais Planning Study Completed for Town of Corte Madera



Central Marin Ferry Connection Moving Forward with Project Approval/Environmental Design

Partners & Roles

- **Transportation Authority of Marin (TAM)**

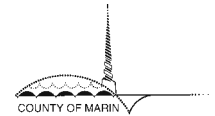
TAM is the sponsoring agency responsible for directing the Highway 101 Greenbrae/Twin Cities Corridor Improvement Project.

- **California Department of Transportation (Caltrans)**

Caltrans serves as the lead agency for environmental review pursuant to the National Environmental Policy Act/California Environmental Quality Act (NEPA/CEQA). Caltrans also provides technical oversight, participates in a Technical Advisory Committee and, as “owner” of the freeway facility, ensures that the proposed project components meet state and federal standards and guidelines for operations and safety.

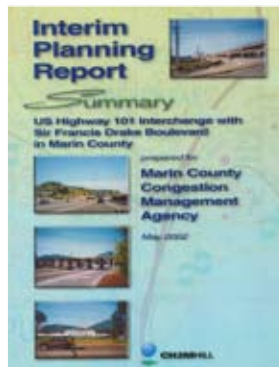
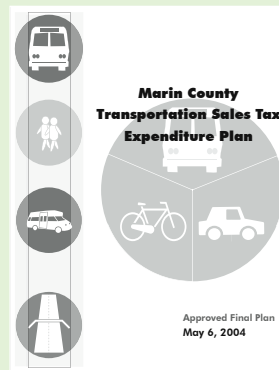
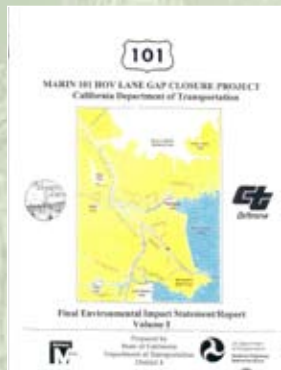
- **Local Agencies**

Local agencies include representatives from agencies and municipalities affected by any improvements. They include: the Town of Corte Madera, City of Larkspur, County of Marin, Marin County Transit District, and Golden Gate Bridge Highway and Transportation District.



Project Background

Several previous studies and related projects have been completed for the corridor



The 2002 Interim Planning Report included a range of preliminary options

- With input from the public, the Larkspur City Council and Corte Madera Town Council indicated their preference for Option 4 with certain modifications in March 2003. The detailed analysis should:
 - Study the Tamalpais Drive/ 101 interchange
 - Study the Madera on- and off-ramps
 - Address impacts to local traffic circulation and bicycle/pedestrian access



- The 2004 Central Marin Ferry Connection Project Report identified preferred alternatives based on input from the public (input at public meetings and survey responses) and the Technical Advisory Committee
- Alternative 1B was identified as the preferred alternative followed by 1C

Project Objectives

Regional Measure 2

- Fund transportation projects within the region that have been determined to reduce congestion
- Reduce congestion in the toll bridge corridor

Project Objectives:

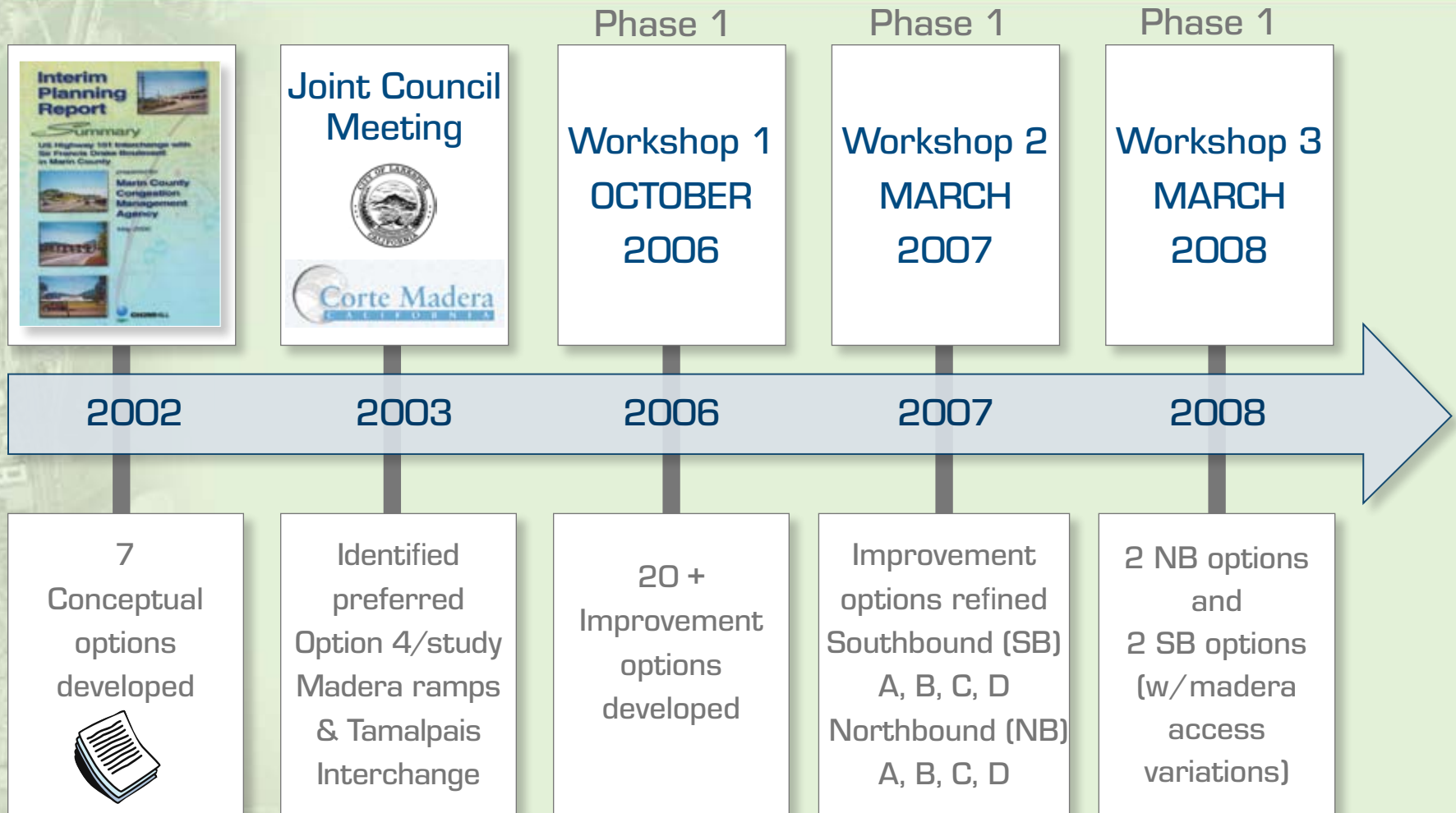
The purpose of the proposed project is to improve traffic operations along US Highway 101 through Corte Madera and Larkspur; maintain access to and from US Highway 101 and local businesses and residential areas; reduce traffic congestion on local streets adjacent to US Highway 101; and improve bicycle and pedestrian access to bus stops, the Larkspur Ferry Terminal, and the proposed Larkspur SMART Station using context sensitive design solutions.

- Improve existing traffic operations along US Highway 101 between Sir Francis Drake Boulevard (Greenbrae Interchange) and the Tamalpais Drive Interchange in the peak periods by improving the interchange spacing, improving non-standard weaving distances between on- and off-ramps, and improving the on-ramp and off-ramp merge and diverge points
- Maintain access to and from US Highway 101 and the local roadway network, adjacent business, and residential areas
- Reduce traffic congestion on the local street network adjacent to US Highway 101 by improving access to and from US Highway 101 and operations along US Highway 101
- Reduce local traffic on the freeway and reduce regional traffic on the local street network by reducing or eliminating circuitous routes of travel
- Reduce peak hour accident volumes at the freeway access points by improving operations and reducing congestion on US Highway 101 and improving existing non-standard design features
- Improve non-standard bicycle and pedestrian facilities within the project area and reduce vehicle/pedestrian/bicycle conflicts
- Improve bicycle and pedestrian connectivity from the local businesses and residential areas to bus stops, the Larkspur Ferry Terminal, and the proposed Larkspur SMART Station

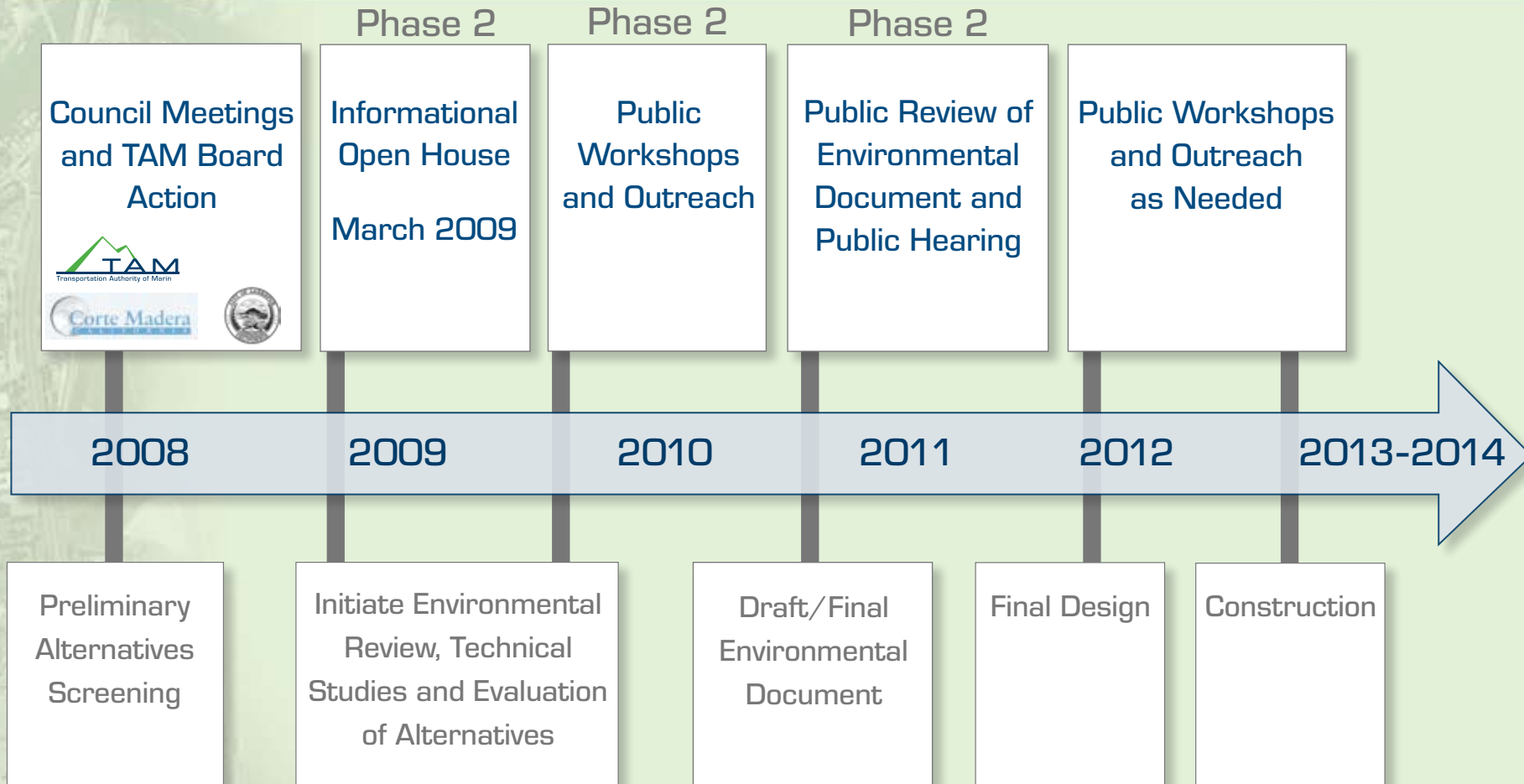
Key Issues Raised To Date

- **Community Involvement:** Work collaboratively with community and agencies to identify issues and develop solutions
- **Local Circulation:** Identify potential changes/impacts to adjacent street circulation
- **Regional Traffic:** Improve corridor congestion and safety
- **Environmental:** Avoid and/or minimize any potential impacts to sensitive wetland areas and special-status species
- **Bicycle and Pedestrian Access:** Provide safe/easy access across highway and creek
- **Cost:** Develop lower cost and less intensive options or focus on other transit solutions
- **Local Business Access:** Maintain access for shopping centers and other businesses

Project Development Timeline



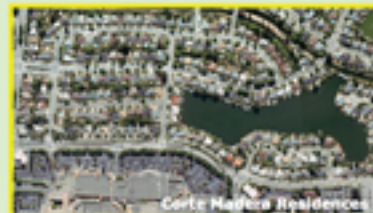
Project Development Timeline



ENVIRONMENTAL CONSTRAINTS



- Former flood retention lagoon
- USFWS, ACOE, and CDFG



- Residential - traffic, air quality, noise, visual, low income, and/or minority formulation



- Salt marsh harvest mouse
- Coho/Chinook salmon and Steelhead trout
- USCG, USFWS, CDFG, and ACOE
- Bay Conservation and Development Commission
- National Marine Fisheries Service
- Regional Water Quality Control Board



- Non-residential (Business) - transportation access, parking, visual



- California clapper rail, California black rails, and salt marsh harvest mouse
- Section 4(f) property - Prudent and feasible avoidance
- USFWS and CDFG
- Tidewater Goby
- California clapper rail and California black rails

- Creek/Lagoon
- Marsh
- Residential
- Business

Project Technical Studies

Technical studies to be conducted for the project:

- **Phase I Environmental Site Assessment (Hazardous Materials)**
- **Visual Assessment**
- **Natural Environment Study (Biological Resources)**
- **Cultural Resources Studies**
- **Geotechnical Study**
- **Hydrology and Drainage**
- **Traffic Analysis**
- **4(f) Resources**
- **Socioeconomic/Community Impacts Assessment**
- **Noise Analysis**
- **Air Quality Analysis**
- **Paleontology**
- **Water Quality**
- **Floodplains**

Environmental Review Process

National Environmental Policy Act/California Environmental Quality Act (NEPA/CEQA) Lead Agency - Caltrans

**Environmental Document - Environmental Assessment/
Environmental Impact Report (EA/EIR)**

Environmental Review Milestones

- **Collect data and document existing conditions**
- **Conduct resource evaluations/prepare technical study reports**
- **Prepare Draft EA/EIR**
- **Conduct 45-day public review and public hearing on the Draft EA/EIR**
- **Prepare Response to Comments**
- **Prepare Final EA/EIR**
- **EA/EIR Approval and Certification**

Project Alternatives Under Consideration

- **Northbound Alternative D** (Sir Francis Drake Boulevard Fly-Over)
- **Northbound Alternative E** (Wornum Braided Ramp)
- **Southbound Alternative C** (Lucky/Fifer Braided Ramp)
- **Phase 1:** Interim Improvements
- **Phase 2:** Braided Ramps
- **Phase 3:** Ultimate Project

How You Can Stay Involved...

- Read **project information materials**
- Attend **public workshops** on the project
- Contact **members of the project team:**

TAM Project Manager, **Bill Whitney**
Phone **(415) 226-0823**
E-mail **BWhitney@tam.ca.gov**

Caltrans Project Manager, **Betcy Joseph**
Phone **(510) 286-5097**
E-mail **betcy_joseph@dot.ca.gov**

- **Sign up for our mailing list.** When you sign-in today, please provide your complete mailing address and an e-mail address
- **Visit the project website at www.tam.ca.gov,** then click on Projects & Programs - Hwy 101 Greenbrae Twin Cities

Thank you for your participation!



Next Steps

- **Complete Project Study Report**
- **Initiate environmental review phase**
- **Conduct environmental analysis/preliminary engineering design**
- **Prepare draft environmental document for public review**
- **Conduct public hearing(s)**
- **Select preferred alternative**
- **Project approval, final design, and construction**